

#2

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/010,969

DATE: 12/20/2001  
TIME: 14:06:48

Input Set : A:\es.txt  
Output Set: N:\CRF3\12202001\J010969.raw

ENTERED

4 <110> APPLICANT: Zalacain, Magdalena  
5 Biswas, Sanjoy  
6 Warren, Patrick, V.  
7 Ingraham, Karen A.  
8 So, Chi Young  
9 Holmes, David J.  
10 van Horn, Stephanie  
13 <120> TITLE OF INVENTION: yraB  
16 <130> FILE REFERENCE: GM20032  
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/010,969  
C--> 18 <141> CURRENT FILING DATE: 2001-11-13  
18 <150> PRIOR APPLICATION NUMBER: 60/253,408  
19 <151> PRIOR FILING DATE: 2000-11-28  
21 <160> NUMBER OF SEQ ID NOS: 2  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 354  
27 <212> TYPE: DNA  
28 <213> ORGANISM: Streptococcus pneumoniae  
30 <400> SEQUENCE: 1  
31 gtgaatatta aatctgccag tgatttggtg gaaatttcag cggatacgat tcggtattat 60  
32 gaacgggttg gtcttggtgc accgattact cgtactgcta ctgggattcg tgattttcaa 120  
33 gatcaggata tcgaagcgct ggaatttatt aagtgttttc gttcggcggg tgtctctgta 180  
34 gatagtttag ttgactatat gtcgctctac caaaaggag atgaaacgag agaggagagg 240  
35 cttggtatth tagaagagga aaagcaaaaa ttagaggagc gcttgtctca gatacagaca 300  
36 gctttaaatc gtttaaatct caaaattaaa ctttataagg aaggaaaatt ttaa 354  
38 <210> SEQ ID NO: 2  
39 <211> LENGTH: 117  
40 <212> TYPE: PRT  
41 <213> ORGANISM: Streptococcus pneumoniae  
43 <400> SEQUENCE: 2  
44 Met Asn Ile Lys Ser Ala Ser Asp Leu Leu Glu Ile Ser Ala Asp Thr  
45 1 5 10 15  
46 Ile Arg Tyr Tyr Glu Arg Val Gly Leu Val Pro Pro Ile Thr Arg Thr  
47 20 25 30  
48 Ala Thr Gly Ile Arg Asp Phe Gln Asp Gln Asp Ile Glu Ala Leu Glu  
49 35 40 45  
50 Phe Ile Lys Cys Phe Arg Ser Ala Gly Val Ser Val Asp Ser Leu Val  
51 50 55 60  
52 Asp Tyr Met Ser Leu Tyr Gln Lys Gly Asp Glu Thr Arg Glu Glu Arg  
53 65 70 75 80  
54 Leu Gly Ile Leu Glu Glu Lys Gln Lys Leu Glu Glu Arg Leu Ser  
55 85 90 95  
56 Gln Ile Gln Thr Ala Leu Asn Arg Leu Asn Leu Lys Ile Lys Leu Tyr  
57 100 105 110  
58 Lys Glu Gly Lys Phe  
59 115

VERIFICATION SUMMARY

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L:18 M:270 C: Current Application Number differs, Replaced Current Application No  
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date